THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES

CONTENTS OF VOLUME 152

2004 MAY NUMBER 1

	Page
INTRINSIC ABSORPTION IN THE SPECTRUM OF MARKARIAN 279: SIMULTANEOUS *CHANDRA*, *FUSE*, AND STIS OBSERVATIONS *Jennifer E. Scott, Gerard A. Kriss, Julia C. Lee, Nahum Arav, Patrick Ogle, Kenneth Roraback, Kimberly Weaver, Tal Alexander, Michael Brotherton, Richard F. Green, John Hutchings, Mary Elizabeth Kaiser, Herman Marshall, William Oegerle, & Wei Zheng*	1
THE LOCAL Lyα FOREST. IV. SPACE TELESCOPE IMAGING SPECTROGRAPH G140M SPECTRA AND RESULTS ON THE DISTRIBUTION AND BARYON CONTENT OF H I ABSORBERS © *Steven V. Penton, John T. Stocke, & J. Michael Shull*	29
HCN SURVEY OF NORMAL SPIRAL, INFRARED-LUMINOUS, AND ULTRALUMINOUS GALAXIES *Yu Gao & Philip M. Solomon*	63
A CO SURVEY TOWARD STARLESS CORES © *Yong-Sun Park, Chang Won Lee, & Philip C. Myers*	81
THE MILLIMETER- AND SUBMILLIMETER-WAVE SPECTRUM OF OXIRANECARBONITRILE © *Markus Behnke, Ivan Medvedev, Manfred Winnewisser, Frank C. De Lucia, & Eric Herbst*	97
PROPER-MOTION CATALOG FROM SDSS ∩ USNO-B © *Andrew Gould & Juna A. Kollmeier*	103
SPECTROSCOPIC STUDIES OF EXTREMELY METAL-POOR STARS WITH THE SUBARU HIGH DISPERSION SPECTROGRAPH. I. OBSERVATIONAL DATA © *Satoshi Honda, Wako Aoki, Hiroyasu Ando, Hideyuki Izumiura, Toshitaka Kajino, Eiji Kambe, Satoshi Kawanomoto, Kunio Noguchi, Kiichi Okita, Kozo Sadakane, Bun'ei Sato, Masahide Takada-Hidai, Yoichi Takeda, Etsuji Watanabe, Timothy C. Beers, John E. Norris, & Sean G. Ryan*	113
RADIO ASTRONOMICAL POLARIMETRY AND POINT-SOURCE CALIBRATION *W. van Straten*	129
SUBMILLIMETER WAVE ASTRONOMY SATELLITE PERFORMANCE ON THE GROUND AND IN ORBIT *V. Tolls, G. J. Melnick, M. L. N. Ashby, E. A. Bergin, M. A. Gurwell, S. C. Kleiner, B. M. Patten, R. Plume, J. R. Stauffer, Z. Wang, Y. F. Zhang, G. Chin, N. R. Erickson, R. L. Snell, P. F. Goldsmith, D. A. Neufeld, R. Schieder, & G. Winnewisser*	137
INSTRUCTIONS TO AUTHORS	i

2004 JUNE NUMBER 2

GEMS: GALAXY EVOLUTION FROM MORPHOLOGIES AND SEDs © *Hans-Walter Rix, Marco Barden, Steven V. W. Beckwith, Eric F. Bell, Andrea Borch, John A. R. Caldwell, Boris Häussler, Knud Jahnke, Shardha Jogee, Daniel H. McIntosh, Klaus Meisenheimer, Chien Y. Peng, Sebastian F. Sanchez, Rachel S. Somerville, Lutz Wisotzki, & Christian Wolf*	163
STRUCTURE OF DISK-DOMINATED GALAXIES. II. COLOR GRADIENTS AND STELLAR POPULATION MODELS *Lauren A. MacArthur, Stéphane Courteau, Eric Bell, & Jon A. Holtzman*	175
AUTOMATED CLASSIFICATION OF 2000 BRIGHT *IRAS* SOURCES © *Ranjan Gupta, Harinder P. Singh, K. Volk, & S. Kwok*	201
INTERSTELLAR DUST MODELS CONSISTENT WITH EXTINCTION, EMISSION, AND ABUNDANCE CONSTRAINTS *Viktor Zubko, Eli Dwek, & Richard G. Arendt*	211
THE INDO-US LIBRARY OF COUDÉ FEED STELLAR SPECTRA © *Francisco Valdes, Ranjan Gupta, James A. Rose, Harinder P. Singh, & David J. Bell*	251
CHROMOSPHERIC Ca II EMISSION IN NEARBY F, G, K, AND M STARS © *J. T. Wright, G. W. Marcy, R. Paul Butler, & S. S. Vogt*	261
CORRELATIONS BETWEEN CRYSTALLITE SIZE, SHAPE, SURFACE, AND INFRARED SPECTRA USING THE Ti-C SYSTEM © *Y. Kimura, A. Ikegami, M. Kurumada, A. Kamitsuji, & C. Kaito*	297
INDEX	i